WHAT IS CLAIMED IS:

1. A computer implemented transaction processing method comprising:

    receiving at a server computer from a client computer transaction data comprising an

    identifier of a product;

    scheduling testing of a sample of the identified product;

    storing in a database a result of the sample testing;

    retrieving the result from the database in response to a subsequent query; and

    sending the result over a network to a user.

2. The method of claim 1 wherein the result comprises an image of the tested sample.

3. The method of claim 2 wherein the sample comprises a paint product applied to a surface

    and the image comprises an image of the sample.

4. The method of claim 2 further comprising periodically storing additional results of the

    sample testing and wherein the method further comprises sending the additional results

    over the network to the user.

5. The method of claim 4 wherein sending comprises formatting the result and the

    additional results to display at the client computer as a time progression of images of the

    ~~sample.~~

6. A networked computer system comprising:

    a server configured to exchange data with a plurality of client computers;

3 a database operatively coupled to the server and storing chemical product data for a

4 plurality of chemical products, the chemical product data comprising a starting point

5 formulation

6 a memory operatively coupled to the server and comprising instructions to configure the

7 server to:

8 receive a request comprising a product identifier from a first one of the

9 plurality of client computers,

10 query the database in response to the received request to retrieve chemical

11 product data; and

12 send the chemical product data to the first client computer.

1 7. The system of claim 6 wherein the chemical product data further comprises data selected

2 from the group consisting of material safety data, chemical property data, processing

3 data, and product manufacturing data.

1 8. The system of claim 6 wherein the memory further comprises instructions to configure

2 the server to process a purchase order and to configure the server to receive a purchase

3 order.

1 9. The system of claim 8 wherein the chemical product data further comprises testing result

2 data stored in the database in response to a sample testing request.

1 10. The system of claim 9 wherein the database further comprises user access permission

2 information and the memory further comprises instructions to query the database to

3 validate access by a user of the first computer, and the instructions to send the chemical

4 product data comprise instruction to send only if access by the first user is validated.

1   11. The system of claim 10 wherein the user access permission information comprises

2   product payment information and the instructions to query to validate comprise

3   instructions to confirm a payment.

12. The system of claim 8 wherein the memory comprises a disk storage media configured as

    an integral component of the server.

1   13. A computer implemented transaction processing method comprising:

2   receiving input data identifying a formulation of a chemical product at a server computer

3   from a client computer;

4   retrieving data associated with the formulation from a database;

5   processing the data to determine characteristics associated with a chemical product

6   produced in accordance with the formulation;

7   interacting with a user at a client computer to determine a modification of the

8   formulation;

9   processing data associated with the modified formulation to determine chemical

10   characteristics associated with the modified formulation; and

11   presenting the characteristics of the modified formulation to the user.

1   14. The method of claim 13 wherein the formulation comprises a combination of a plurality

2   of chemical products, and the method further comprises receiving a purchase request to

3   purchase a chemical products identified by the formation.

1   15. The method of claim 13 further comprising:

2   scheduling testing of a sample of a product produced in accordance with the modified

3   formulation; and

4   storing in a database sample testing data associated with testing of the sample.

1   16. The method of claim 15 further comprising sending the sample testing data over a

2   network to the client computer in response to a subsequent request from the client

3   computer.